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L14	1	"3773579".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47
L15	2	"3833502".PN.	USPAT;	OR .	OFF	2007/11/09 17:47
116		2000E74   DN	USOCR	OD	ÒFF	2007/11/00 17:40
L16	1	"3980571".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L17	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L18	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L19	1	"4269739".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L20	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L21	1	"4269739".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L22	1	"4313837".PN.	USPAT; USOCR	OR -	OFF	2007/11/09 17:49
L23	1	"4673509".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L24	1	"4769162".PN.	USPAT; USOCR	OR .	OFF	2007/11/09 17:49
L25	1	"4927550".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L26	1	"5062978".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L27	1	"5110494".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
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L29	. 1	"5170683".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L30	1	"5185235".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L31	1	"5207838".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L32	1	"5215675".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:51
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11/9/2007 6:17:59 PM Page 2

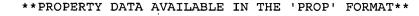
## **EAST Search History**

Ref	Hits	Search Query	DBs	Default	Plurals	Time Stamp
#				Operator		
L1	12364	laser and (crack or scribe or cleave or glass or brittle or silica or silicon) and surfactant and cooling	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:26
L2	600	(laser same (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:27
L3	205	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L4	0	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) same (surfactant with (cationic or (non adj ionic) or anionic)) same (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L5	8	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) same (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:29
L6	3	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) same (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L7	4	(laser same (surfactant with (cationic or (non adj ionic) or anionic)) with (coolant or cooling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:30
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L9	14	"5534172"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:39
L10	2	"3000826".PN.	USPAT; USOCR	OR	OFF	.2007/11/09 17:46
L11	2	"3079340".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:46
L12	1	"3719598".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47
L13	1	"3719598".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47

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     Arquad 16/60
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CN
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     Catinal HTB 70ET
CN
CN
     Cetremide
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     Cetrimonium bromide
CN
     Cetyltrimethylammonium bromide
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       SCISEARCH, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources: DSL**, EINECS**, TSCA**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)
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     (6899-10-1)
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 $Me_3+N-(CH_2)_{15}-Me$ 

● Br -





REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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E3
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E4
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E5
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                   CTAB (MYCOBACTERIUM AVIUM PARATUBERCULOSIS STRAIN K-10 GENE
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E7
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L50
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REGISTRY COPYRIGHT 2007 ACS on STN L50 1 ANSWERS 1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1) MF C19 H42 N . Br CI COM

 $Me_3+N-(CH_2)_{15}-Me$ 

Br-

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> => d ide 150

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L50 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
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   57-09-0 REGISTRY
     Entered STN: 16 Nov 1984
ED
CN
     1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
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     Ammonium, hexadecyltrimethyl-, bromide (8CI)
CN
     Hexadecyltrimethylammonium bromide (6CI)
OTHER NAMES:
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E36
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E2
                      DODECYLBENZENESULFONIC ACID PROPYLAMINE SALT/CN
E3
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E4
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DODECYLBENZENESULFONIC ACID TRIBUTYLBENZYLAMMONIUM SALT/CN
DODECYLBENZENESULFONIC ACID TRIETHANOLAMINE SALT/CN
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DODECYLBENZENESULFONIC ACID-1,6-HEXANEDIOL-SEBACIC ACID COPOLYMER/CN
E5
E6
E7
E8
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      Entered STN: 16 Nov 1984
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OTHER NAMES:
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CN A 41S
CN Abeson NAM
CN AKS 518-2
CN Alkanate DC
CN Anstex MJ 420
CN Arylan SBC
CN AS 101-1
CN Berol 496
CN Bio-Soft D 35X
CN Bio-Soft D 40
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CN Bio-Soft LAS 40S
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CN Calsoft L 60
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CN Conco AAS 35H
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CN Conco AAS 40S



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     Deterlon A
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     DS 60
     DS 60 (surfactant)
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     Elecat S 412
CN
     Elfan WA 35
CN
CN
     Elfan WA 50
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     Elfan WA Powder
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     Emulin B 22
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D1-SO3H

Me- (CH2) 11-D1

Na

### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9645 REFERENCES IN FILE CA (1907 TO DATE) 87 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA 9702 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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EPA 219

CN

L51 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN CN Benzenesulfonic acid, dodecyl-, sodium salt (1:1) (CA INDEX NAME) OTHER CA INDEX NAMES: Benzenesulfonic acid, dodecyl-, sodium salt (8CI, 9CI) OTHER NAMES: 35SL CNCNA 1-1575 CNA 41S CN Abeson NAM CN AKS 518-2 CN Alkanate DC CN Anstex MJ 420 Arylan SBC CN AS 101-1 CNBerol 496 CN Bio-Soft D 35X CNCN Bio-Soft D 40 Bio-Soft D 40RC CN Bio-Soft D 62 CN CN Bio-Soft LAS 40S Biosoft 40S CNCNC 550 CNC 560 CN Caflon NAS 30 Caflon SNA CN Calsoft 90F CN Calsoft F 90 CN Calsoft L 40 CN CN Calsoft L 50 CN Calsoft L 60 Conco AAS 35 CN Conco AAS 35H CN CNConco AAS 40S CN Conco AAS 45S Conoco C 550 CNCN DBS CNDeterlon CN Deterion A CN Dobanic 560 CNCNDodecylbenzenesulfonic acid sodium salt CNDS 10 CN DS 60 CN DS 60 (surfactant) CN Elecat S 412 CN Elfan WA 35 CN Elfan WA 50 CN. Elfan WA Powder CN Emulin B 22

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CN

Neopelex F 25

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                 NORL (No role in record)
                                                                                                                                                PAGE 1-A
          HO-CH2-CH2-O-CH2-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-CH2-O-C
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## **EAST Search History**

L34	0	("7109152".pn. or "6673752".pn. or "5534172".pn. and "3833502".pn. or "3980571".pn. or "5170683".pn.) and (laser and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:55
L35	3	("7109152".pn. or "6673752".pn. or "5534172".pn. or "3833502".pn. or "3980571".pn. or "5170683".pn.) and (surfactant and (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:57